

**SOUTHERN CALIFORNIA GAS COMPANY**  
**Monthly Aliso Canyon Withdrawal Report**

**Response Dated** February 3, 2021

**Report Period** Gas Day January 1, 2021 through Gas Day January 31, 2021

**PUBLIC VERSION**

***Purpose***

On July 23, 2019 the Energy Division of the California Public Utilities Commission (CPUC) issued a new Aliso Canyon Withdrawal Protocol (Withdrawal Protocol), replacing the Withdrawal Protocol that was issued on November 2, 2017.<sup>1</sup> The Withdrawal Protocol specifies the conditions when Southern California Gas Company (SoCalGas) may execute a withdrawal operation from the Aliso Canyon storage field. In addition, the Withdrawal Protocol contains certain noticing and reporting requirements, including the following:

In a monthly report to be provided on the third business day after each month in which withdrawals from Aliso Canyon occurred, SoCalGas shall provide the CPUC's Energy Division both a confidential and public report with a full description of the events and conditions leading up to the Aliso Canyon withdrawal(s). The report shall include:

1. the total and hourly withdrawals from the field;
2. the pre- and post-withdrawal Aliso Canyon working gas inventory;
3. the inventory of the non-Aliso fields before and after the Aliso Canyon withdrawal(s);
4. the geographical and/or the time price spread used in determining the OFO stages for the day(s) of the withdrawal(s) and the two days immediately preceding and following;
5. weather conditions in the SoCalGas service territory for the day(s) of the withdrawal(s) and the day immediately preceding the initiation of withdrawal(s);
6. the hourly pipeline receipts for the calendar day(s) on which a withdrawal was made and the day immediately preceding the initiation of withdrawal(s);
7. the hourly withdrawals by field from non-Aliso storage facilities for the calendar day(s) on which a withdrawal was made and the day immediately preceding the initiation of withdrawal(s);
8. the hourly system sendout for the calendar day(s) on which a withdrawal was made and the day immediately preceding the initiation of withdrawal(s);
9. demand response activations and Dial It Down Alerts; and
10. information concerning any anomalies experienced during the operation of the field.

Pursuant to the Withdrawal Protocol, SoCalGas provides the following monthly report with respect to the withdrawals from Aliso Canyon that occurred from Gas Day January 1, 2021 through Gas Day January 31, 2021.<sup>2</sup>

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<sup>1</sup> The Aliso Canyon Withdrawal Protocol dated July 23, 2019 was revised on April 1, 2020 to add two additional reporting requirements including reporting requirement 8. These changes did not alter the conditions under which SoCalGas may withdraw gas from Aliso Canyon.

<sup>2</sup> The report would include the gas day starting on the first day of the month and include the gas day that ends on the first day of the subsequent month. A gas day is from 7am to 7am the following day.

## Summary

The table below provides the Aliso Canyon approximate withdrawal start times, withdrawal end times, and withdrawal volumes during January 2021.

<b>Gas Day</b>	<b>Withdrawal Start</b>	<b>Withdrawal End</b>	<b>Withdrawal Volume in Billion Cubic Feet (Bcf)</b>
01/04/2021	01/04/2021 8:00 AM PCT	01/04/2021 1:04 PM PCT	0.050
01/11/2021	01/11/2021 7:23 AM PCT	(continued to next Gas Day)	0.313
01/12/2021	(continued from previous Gas Day)	01/13/2021 5:53 AM PCT	0.214
01/24/2021	01/24/2021 7:18 AM PCT	(continued to next Gas Day)	0.294
01/25/2021	(continued from previous Gas Day)	(continued to next Gas Day)	0.740
01/26/2021	(continued from previous Gas Day)	(continued to next Gas Day)	0.485
01/27/2021	(continued from previous Gas Day)	(continued to next Gas Day)	0.341
01/28/2021	(continued from previous Gas Day)	(continued to next Gas Day)	0.251
01/29/2021	(continued from previous Gas Day)	(continued to next Gas Day)	0.565
01/30/2021	(continued from previous Gas Day)	(continued to next Gas Day)	0.269
01/31/2021	(continued from previous Gas Day)	01/31/2021 2:10 PM PCT	0.098

**1. Total and hourly withdrawals from the (Aliso Canyon) field**

Total Withdrawal during Report Period:  
 Approximately 3,633 million cubic feet (MMcf)<sup>3</sup>

Hourly Withdrawal during Report Period:

Date-Time	Aliso Canyon Withdrawal (MMcf)
1/4/2021 9:00	
1/4/2021 10:00	
1/4/2021 11:00	
1/4/2021 12:00	
1/4/2021 13:00	
1/4/2021 14:00	
1/11/2021 8:00	
1/11/2021 9:00	
1/11/2021 10:00	
1/11/2021 11:00	
1/11/2021 12:00	
1/11/2021 13:00	
1/11/2021 14:00	
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1/12/2021 5:00	
1/12/2021 6:00	
1/12/2021 7:00	

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<sup>3</sup> A total of approximately 14.08 MMcf of withdrawal was used for cleanup flow testing on Gas Day 01/05/2021 and Gas Day 01/20/2021.

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## ***2. Pre- and post-withdrawal Aliso Canyon working gas inventory<sup>4</sup>***

The table below provides the approximate inventories of Aliso Canyon storage field, in billion cubic feet (Bcf), at the beginning and end of the withdrawal event(s).

<b>Date-Time</b>	<b>Pre-Withdrawal Inventory (Bcf)</b>	<b>Date-Time</b>	<b>Post-Withdrawal Inventory (Bcf)</b>
01/04/2021 7:00 AM	30.130	01/05/2021 7:00 AM	30.080
01/11/2021 7:00 AM	30.072	01/13/2021 7:00 AM	29.546
01/24/2021 7:00 AM	30.254	02/01/2021 7:00 AM	27.229

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<sup>4</sup> Inventory volumes are based on Gas Control system data and are subject to adjustment based on SoCalGas' routine monthly reconciliation between real-time SCADA system data, and the measurement data recorded by our Measurement Data Operations (MDO) department.

**3. Inventory of the non-Aliso Canyon fields before and after the Aliso Canyon withdrawal(s)<sup>5</sup>**

The table below provides the approximate inventories of the non-Aliso Canyon storage fields, in Bcf, at the beginning and end of the withdrawal event(s).

<b>Date-Time</b>	<b>Pre-Withdrawal Inventory (Bcf)</b>			<b>Date-Time</b>	<b>Post-Withdrawal Inventory (Bcf)</b>		
	<b>Honor Rancho</b>	<b>La Goleta</b>	<b>Playa Del Rey</b>		<b>Honor Rancho</b>	<b>La Goleta</b>	<b>Playa Del Rey</b>
01/04/2021 7:00 AM				01/05/2021 7:00 AM			
01/11/2021 7:00 AM				01/13/2021 7:00 AM			
01/24/2021 7:00 AM				02/01/2021 7:00 AM			

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<sup>5</sup> Inventory volumes are based on Gas Control system data and are subject to adjustment based on SoCalGas' routine monthly reconciliation between real-time SCADA system data, and the measurement data recorded by our Measurement Data Operations (MDO) department.

**4. Geographical and/or the time price spread used in determining the OFO stages for the day(s) of the withdrawal(s) and the two days immediately preceding and following**

The table below provides the geographical and time price spreads, in dollars per Dth (\$/Dth), for the day(s) of the withdrawal(s) and the two days immediately preceding and following.

<b>Gas Day</b>	<b>Geographical Spread</b>	<b>Time Spread (next month)</b>	<b>Time Spread (two months ahead)</b>
1/2/2021			
1/3/2021			
1/4/2021			
1/5/2021			
1/6/2021			
1/9/2021			
1/10/2021			
1/11/2021			
1/12/2021			
1/13/2021			
1/14/2021			
1/22/2021			
1/23/2021			
1/24/2021			
1/25/2021			
1/26/2021			
1/27/2021			
1/28/2021			
1/29/2021			
1/30/2021			
1/31/2021			
02/01/2021			
02/02/2021			

***5. Weather conditions in the SoCalGas service territory for the day(s) of the withdrawal(s) and the day immediately preceding the initiation of withdrawal(s)***

<b>Gas Day</b>	<b>Avg. Temp. (deg F)</b>	<b>Heating Degree Day (HDD)</b>
01/03/2021	52	13
01/04/2021	53	12
01/10/2021	53	12
01/11/2021	53	12
01/12/2021	53	12
01/23/2021	49	16
01/24/2021	49	16
01/25/2021	47	18
01/26/2021	47	18
01/27/2021	50	15
01/28/2021	51	14
01/29/2021	49	16
01/30/2021	49	16
01/31/2021	54	11

**6. Hourly pipeline receipts (MMcf) for the calendar day(s) on which a withdrawal was made and the day immediately preceding the initiation of withdrawal(s)**



Confidential\_Receipts(Jan2021).xlsx

**7. Hourly withdrawals by field (MMcf) from non-Aliso Canyon storage facilities for the calendar day(s) on which a withdrawal was made and the day immediately preceding the initiation of withdrawal(s)**



Confidential\_nonAlisoWithdrawal(Jan21

**8. Hourly system sendout for the calendar day(s) on which a withdrawal was made and the day immediately preceding the initiation of withdrawal(s)**



Confidential\_Sendout(Jan2021).xlsx

**9. Demand response activations and Dial It Down Alerts**

SoCalGas did not declare any Smart Therm demand response events or issue any Dial-It-Down alerts in January 2021.

**10. Information concerning any anomalies experienced during the operation of the field**

On January 12, 2021, at approximately 2:20 pm, the surface safety valve on Porter 42-A closed immediately after the well was placed on withdrawal. The well was temporarily taken out of service. The surface safety valve on the well is designed to automatically close and shut in the well when the sacrificial sand probe is triggered. The probe was inspected, and a crack at the radius was identified. No erosion was found on the probe. A new probe was installed, and the well was placed back into service at approximately 5:00 pm on the same day. While the well was out of service, the impact on the field's withdrawal capability was ■■■ MMscfd.

On January 30, 2021, at approximately 6:00 am, the surface safety valve on Fernando Fee 38C closed after the well was placed on withdrawal. The well was temporarily taken out of service. The surface safety valve on the well is designed to automatically close and shut in the well when the sacrificial sand probe is triggered. The probe was inspected and cracks were identified around the perimeter of the probe. No erosion was found on the probe. A new probe was installed, and the well was placed back into service at approximately 11:15 am on the same day. While the well was out of service, the impact on the field's withdrawal capability was ■■■ MMscfd.